

WIRELESS POLLING SYSTEM USING SPREAD-SPECTRUM COMMUNICATION

Abstract

A wireless communication system and method includes providing at least one master unit and a plurality of slave units communicating with the at least one master unit over at least one wireless communication link. The at least one master unit sends polling signals to the slave units over the at least one wireless communication link. The slave units send data to the at least one master unit over the at least one communication link in response to one of the polling signals. The communication link is made up of at least one master transceiver at the at least one master unit and a plurality of slave transceivers each at one of the slave units. The at least one master transceiver and the slave transceivers communicate with a spread-spectrum hopping protocol.